Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/03/2016 10:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124832	-1	2.31	124702	2.38
Blue	F	SSC	125000	123141	-2	4.61	124210	4.60
Blue	E	FITC	17224	16847	-3	3.26	952	9.10
Blue	D	PE	22462	21770	-4	2.87	981	8.25
Blue	B	PerCP-Cy5-5	63940	63120	-2	3.47	1670	13.27
Blue	A	PE-Cy7	72480	71782	-1	4.38	946	24.23
Red	C	APC	63778	62479	-3	2.56	3529	8.18
Red	A	APC-Cy7	97254	97398	0	2.63	1931	7.87
Violet	B	V450	10730	10401	-4	3.76	646	8.97
Violet	A	V500	42147	40865	-4	3.46	2314	6.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19646	3.42	585	-35	N/A	N/A	Pass
Blue	F	SSC	61417	3.49	509	-18	N/A	N/A	Pass
Blue	E	FITC	102	37.53	515	-24	0.0264	298	Pass
Blue	D	PE	202	24.71	509	-23	0.1807	158	Pass
Blue	B	PerCP-Cy5-5	204	40.61	597	-17	0.0113	53	Pass
Blue	A	PE-Cy7	70	101.59	651	-22	0.0159	24	Pass
Red	C	APC	331	25.98	578	-6	0.0207	0	Pass
Red	A	APC-Cy7	123	37.07	562	-3	0.0049	708	Pass
Violet	B	V450	69	48.23	447	-27	0.0385	2228	Pass
Violet	A	V500	151	29.33	476	-27	0.0136	2015	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.12	-30.78	0.83
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.30
Red	17.89	12.80 - 19.20	N/A	N/A	31.18	31.60	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10474

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments